

SEQUENCE LISTING

<110> Stewart, A. F.
Zhang, Y.
Hallet, B.

<120> A New Tyrosine Recombinase for Genetic Engineering

<130> 9882-012-999

<160> 10

<170> PatentIn version 3.0

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<212> DNA

<213> Bacillus thuringiensis

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caatattaat tgtgttgtat taggtgttat aataaatata aatctagggg tttaacgcaa	180
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cacaatatta attgtgttgt attaggtgtt ataataaata taaatctagg ggtttaacgc	180
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acc gag aac act gtt cag gga tac aca ggt att aga cag tac ata	96
Thr Glu Asn Thr Val Gln Gly Tyr Thr Ser Gly Ile Arg Gln Tyr Ile	
20 25 30	
aaa tgg ttt gaa ggt tcc tat gac aga aaa ttg aca aaa ttg tac cga	144
Lys Trp Phe Glu Gly Ser Tyr Asp Arg Lys Leu Thr Lys Leu Tyr Arg	
35 40 45	
caa aat atc tta gag tac att agt tat tta aag aat gtc aaa atg ttg	192
Gln Asn Ile Leu Glu Tyr Ile Ser Tyr Leu Lys Asn Val Lys Met Leu	
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aac gcc aag tcc att aac cac aag att agt agc ctt gct aaa ttt aat	240
Asn Ala Lys Ser Ile Asn His Lys Ile Ser Ser Leu Ala Lys Phe Asn	
65 70 75 80	
gaa ttt cta ata cag aaa gga agt caa caa gat caa gta att tta tta	288
Glu Phe Leu Ile Gln Lys Gly Ser Gln Gln Asp Gln Val Ile Leu Leu	
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Asp Val Lys Lys Phe Leu Gln Ser Val Leu Glu Asp Asn Asn Lys Arg	
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Asn Tyr Ala Ile Ala Thr Leu Leu Ala Tyr Thr Gly Val Arg Ile Ser	
115 120 125	
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Glu Ala Leu Ser Ile Lys Met Asn Asp Phe Asn Leu Gln Thr Gly Glu	
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Cys Ile Ile Arg Ser Gly Lys Gly Gly Lys Gln Arg Ile Val Leu Leu	
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Asn Ser Lys Val Leu Ser Ala Ile Lys Asp Tyr Leu Ile Asp Arg Lys	
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Thr Tyr Ser Thr Ala His Glu Ser Pro Tyr Leu Phe Ile Ser Lys Lys	
180 185 190	
cga gaa aag ctc gac cgt acg gtc gtc aat cgt atc ttt aaa tca tac	624
Arg Glu Lys Leu Asp Arg Thr Val Val Asn Arg Ile Phe Lys Ser Tyr	
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Arg Asn Val Ile Thr Pro His Gln Leu Arg His Phe Phe Cys Thr Asn	
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Ala Ile Gln Lys Gly Phe Ser Ile His Glu Val Ala Asn Gln Ala Gly	
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<212> DNA
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